LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111381.D
Acq On : 13 Dec 2018 20:31
Operator : JU/SJ
Sample : J6305-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW001-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.728	270	279	288	rBV	1497361	2532021	14.02%	0.682%
2	3.840	289	298	302	rBV	4660292	6993146	38.73%	1.884%
3	4.169	348	354	361	rBV	712312	1177986	6.52%	0.317%
4	4.257	361	369	373	rBV	1474747	2055891	11.39%	0.554%
5	5.016	495	498	502	rVB	1132502	1115307	6.18%	0.301%
6	5.216	527	532	538	rBV	906704	1273987	7.06%	0.343%
7	5.275	538	542	546	rBV	2298219	2365723	13.10%	0.637%
8	5.381	556	560	565	rBV	3743582	6042233	33.46%	1.628%
9	5.422	565	567	571	rVB	2242141	2251759	12.47%	0.607%
10	5.546	577	588	591	rVB2	745737	1532393	8.49%	0.413%
11	5.593	591	596	599	rBV	1218626	1214468	6.73%	0.327%
12	5.640	599	604	612	rVV3	3343481	4969582	27.52%	1.339%
13	5.710	612	616	620	rVV4	471578	1027178	5.69%	0.277%
14	5.757	620	624	628	rVV	1752309	2891872	16.02%	0.779%
15	6.322	717	720	723	rBV	1796429	1840268	10.19%	0.496%
16	6.487	738	748	749	rBV5	7428596	16756137	92.80%	4.515%
17	6.575	759	763	767	rVB	4987363	6558820	36.32%	1.767%
18	6.628	767	772	774	rBV	2714219	2923996	16.19%	0.788%
19	6.675	774	780	782	rVV2	5920818	10766466	59.63%	2.901%
20	6.704	782	785	792	rVB2	5902222	7439730	41.20%	2.005%
21	6.798	792	801	804	rVB2	8002464	14311813	79.26%	3.857%
22	6.863	809	812	814	rBV	2026775	2135757	11.83%	0.576%
23	6.893	814	817	823	rVB3	2644791	3853910	21.34%	1.038%
24	6.957	823	828	830	rBV	5407501	5383101	29.81%	1.451%
25	6.992	830	834	837	rVB2	2835877	3340347	18.50%	0.900%
26	7.087	847	850	853	rBV	4620623	4893516	27.10%	1.319%
27	7.122	853	856	858	rVB2	1862012	1569020	8.69%	0.423%
28	7.157	858	862	864	rBV3	1019106	1316461	7.29%	0.355%
29	7.181	864	866	868	rVB	1809036	1335645	7.40%	0.360%
30	7.222	868	873	875	rBV	4396754	4868505	26.96%	1.312%
31	7.251	875	878	882	rVB2	4766214	5164957	28.60%	1.392%
32	7.363	890	897	901	rBV3	5275468	8331049	46.14%	2.245%
33	7.422	905	907	909	rVV	1919330	2087055	11.56%	0.562%
34	7.445	909	911	914	rVB3	2160683	1772440	9.82%	0.478%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111381.D
Acq On : 13 Dec 2018 20:31
Operator : JU/SJ
Sample : J6305-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW001-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.481	914	917	919	rVB2	1665941	1440230	7.98%	0.388%
36	7.510	919	922	926	rVB2	1920131	2121404	11.75%	0.572%
37	7.645	935	945	946	rBV3	2006130	3788261	20.98%	1.021%
38	7.769	962	966	968	rBV3	1593571	2897626	16.05%	0.781%
39	7.857	979	981	982	rVB	2825327	1929499	10.69%	0.520%
40	7.875	982	984	985	rBV	2322323	1216920	6.74%	0.328%
41	7.910	985	990	991	rBV3	3423476	4959027	27.46%	1.336%
42	7.981	1000	1002	1004	rVB	1937936	1477765	8.18%	0.398%
43	8.039	1004	1012	1014	rBV3	3032057	5597987	31.00%	1.508%
44	8.081	1016	1019	1021	rVV	2409784	2636870	14.60%	0.711%
45	8.104	1021	1023	1026	rVB	1291553	1378675	7.64%	0.372%
46	8.275	1047	1052	1059	rVB	9272525	16769821	92.87%	4.519%
47	8.328	1059	1061	1063	rBV3	1764189	1514641	8.39%	0.408%
48	8.381	1066	1070	1072	rBV3	2104558	2666633	14.77%	0.719%
49	8.416	1072	1076	1078	rVV2	2948497	3509797	19.44%	0.946%
50	8.475	1081	1086	1089	rVB4	2126280	3515741	19.47%	0.947%
51	8.545	1093	1098	1102	rVB5	3541809	4740819	26.26%	1.277%
52	8.598	1102	1107	1109	rBV4	792096	1443985	8.00%	0.389%
53	8.687	1114	1122	1128	rBV5	3916437	7547072	41.80%	2.034%
54	8.757	1130	1134	1139	rBV4	4362677	8011757	44.37%	2.159%
55	8.863	1150	1152	1153	rVB	2092093	1271708	7.04%	0.343%
56	8.975	1162	1171	1174	rVB	8141574	11536353	63.89%	3.109%
57	9.086	1186	1190	1194	rVV3	1313561	2556219	14.16%	0.689%
58	9.163	1198	1203	1209	rVV4	6904165	11580863	64.14%	3.121%
59	9.228	1212	1214	1215	rVV2	1727636	1690792	9.36%	0.456%
60	9.263	1218	1220	1225	rVB4	1730903	1910152	10.58%	0.515%
61	9.375	1235	1239	1243	rBV3	1235611	2183532	12.09%	0.588%
62	9.416	1243	1246	1248	rVB2	1408204	1122630	6.22%	0.303%
63	9.563	1260	1271	1274	rBV2	6268720	18056367	100.00%	4.866%
64	9.592	1274	1276	1280	rVB3	1582942	1698779	9.41%	0.458%
65	9.633	1280	1283	1287	rVB	2160030	1932357	10.70%	0.521%
66	9.769	1303	1306	1309	rBV2	1824141	2065294	11.44%	0.557%
67	9.839	1315	1318	1320	rVV3	2480476	2184797	12.10%	0.589%
68	9.928	1330	1333	1337	rVB4	2201489	2559074	14.17%	0.690%
69	10.116	1361	1365	1369	rBV6	1081744	1676625	9.29%	0.452%
70	10.269	1389	1391	1393	rVV	1267876	1221049	6.76%	0.329%
71	10.304	1395	1397	1399	rVV2	1740855	1735585	9.61%	0.468%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111381.D
Acq On : 13 Dec 2018 20:31
Operator : JU/SJ
Sample : J6305-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW001-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	10.333	1399	1402	1407	rVB	1869233	2831300	15.68%	0.763%
73	10.492	1423	1429	1431	rBV2	3354856	4838598	26.80%	1.304%
74	10.639	1451	1454	1459	rVB2	2258641	2458507	13.62%	0.662%
75	10.692	1460	1463	1467	rBV5	1036036	1358095	7.52%	0.366%
76	10.822	1482	1485	1487	rBV3	1312486	1374396	7.61%	0.370%
77	10.892	1492	1497	1500	rVV4	2194352	3806445	21.08%	1.026%
78	10.922	1500	1502	1506	rVB3	1349564	1302954	7.22%	0.351%
79	11.069	1524	1527	1530	rBV2	1217526	1195688	6.62%	0.322%
80	11.104	1530	1533	1541	rVV2	674549	1114688	6.17%	0.300%
81	11.228	1549	1554	1557	rBV	5710918	7648942	42.36%	2.061%
82	11.280	1560	1563	1566	rVB2	2668441	2618740	14.50%	0.706%
83	11.322	1567	1570	1576	rVV	2177185	2192166	12.14%	0.591%
84	11.386	1578	1581	1584	rVB	1193569	1157882	6.41%	0.312%
85	11.492	1595	1599	1603	rBV4	2440762	3561689	19.73%	0.960%
86	11.669	1624	1629	1633	rBV3	2516378	4024355	22.29%	1.084%
87	11.733	1637	1640	1646	rVB2	2397875	2756017	15.26%	0.743%
88	11.833	1655	1657	1662	rVB	1150349	1156804	6.41%	0.312%
89	11.886	1662	1666	1669	rBV	3367493	3579024	19.82%	0.964%
90	12.022	1684	1689	1693	rBV	3421929	4760656	26.37%	1.283%
91	12.163	1710	1713	1716	rVB	1132951	1097921	6.08%	0.296%
92	12.604	1785	1788	1792	rBV2	1385384	2102227	11.64%	0.566%
93	12.663	1795	1798	1806	rVB2	3513125	4669999	25.86%	1.258%
94	12.822	1820	1825	1831	rVB	4802886	6027382	33.38%	1.624%
95	12.910	1836	1840	1843	rBV	3314060	3164768	17.53%	0.853%
96	13.951	2014	2017	2024	rVB2	2757625	3895060	21.57%	1.050%
97	14.439	2097	2100	2110	rVB	1596243	2570805	14.24%	0.693%
98	14.739	2148	2151	2157	rVB	1310608	1475913	8.17%	0.398%
99	15.068	2204	2207	2211	rVB	976917	1005086	5.57%	0.271%
100	15.439	2267	2270	2277	rVB	925225	1121729	6.21%	0.302%

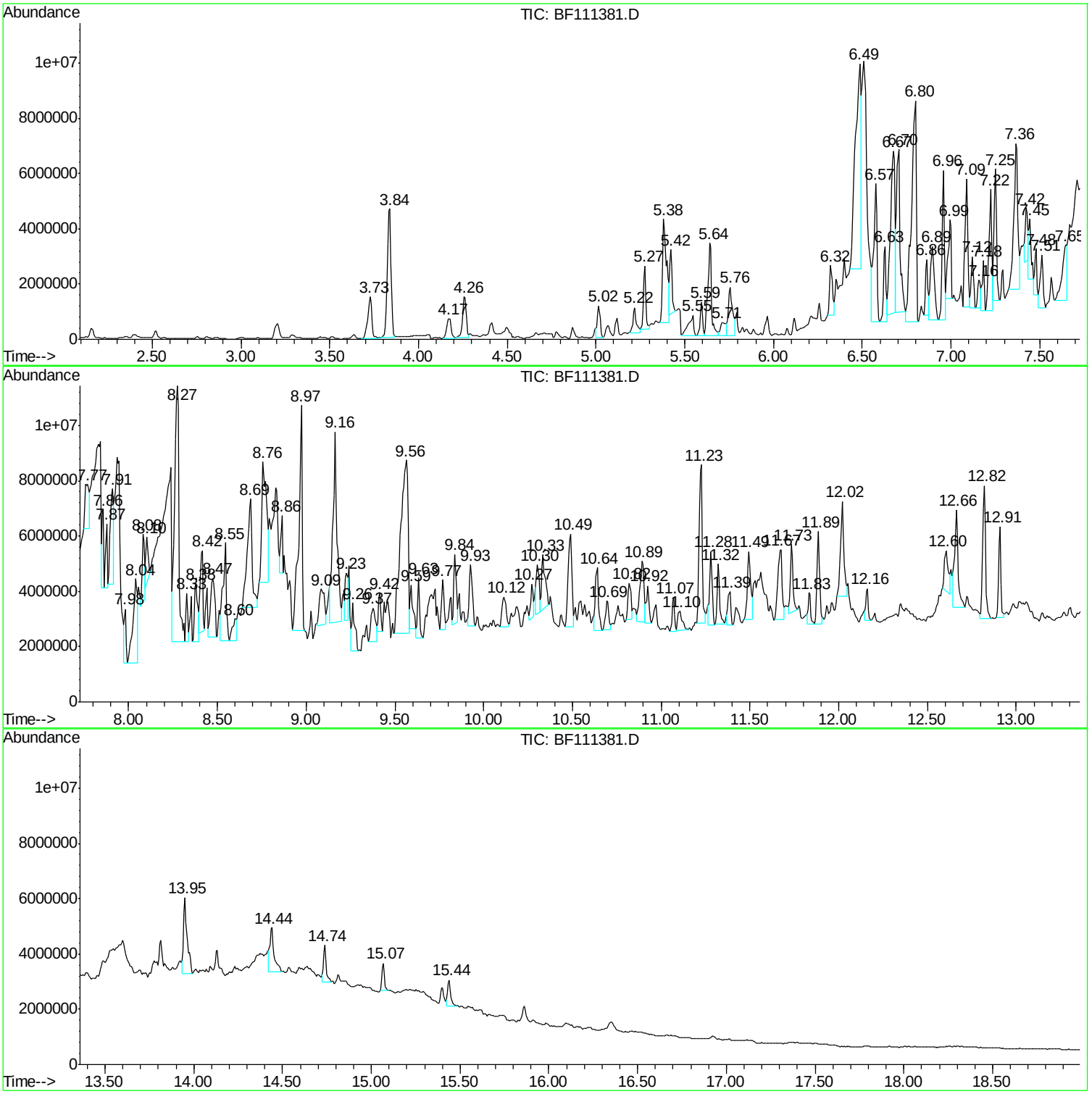
Sum of corrected areas: 371107081

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111381.D
Acq On : 13 Dec 2018 20:31
Operator : JU/SJ
Sample : J6305-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW001-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111381.D
Acq On : 13 Dec 2018 20:31
Operator : JU/SJ
Sample : J6305-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW001-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

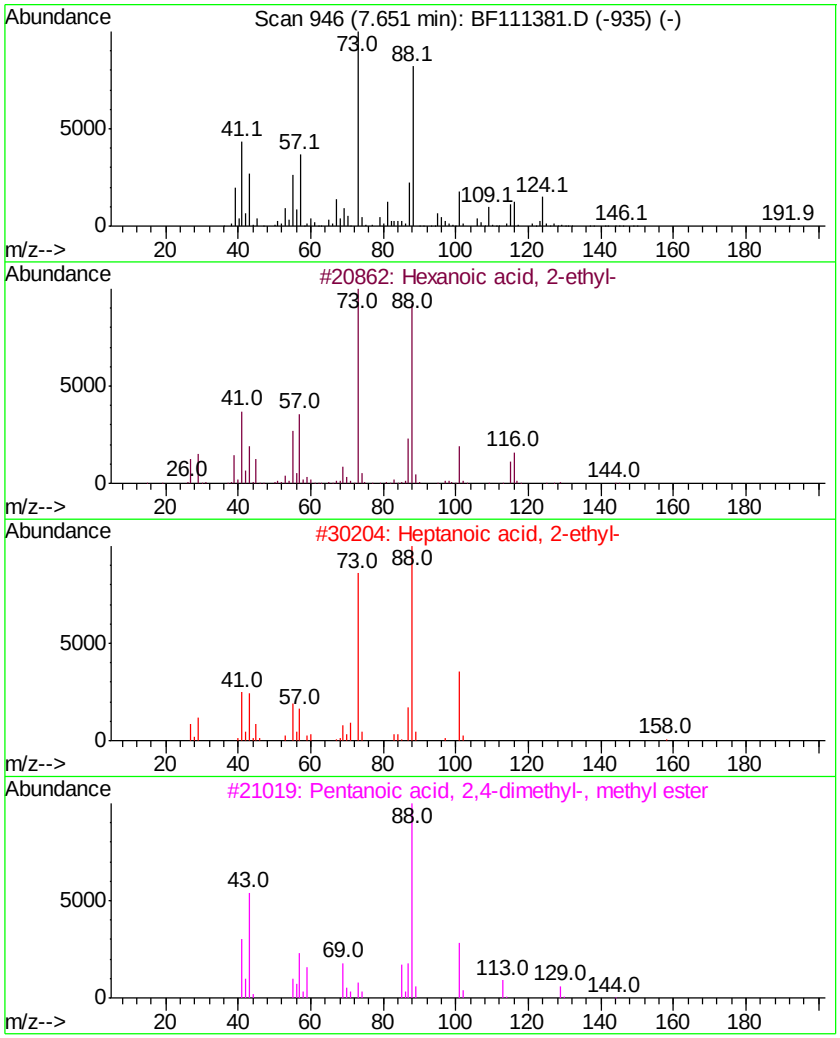
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

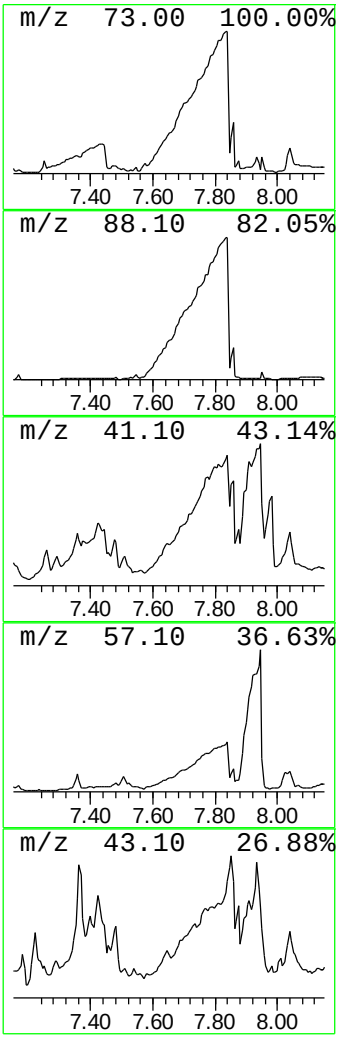
****

Peak Number 1 Hexanoic acid, 2-ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.65	28.73 ng	3788260	Naphthalene-d8	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	53
2	Heptanoic acid, 2-ethyl-	158	C9H18O2	003274-29-1	47
3	Pentanoic acid, 2,4-dimethyl-, m...	144	C8H16O2	071672-33-8	38
4	Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	37
5	Cyclohexaneacetic acid, .alpha.-...	170	C10H18O2	006051-00-9	32





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111381.D
Acq On : 13 Dec 2018 20:31
Operator : JU/SJ
Sample : J6305-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW001-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

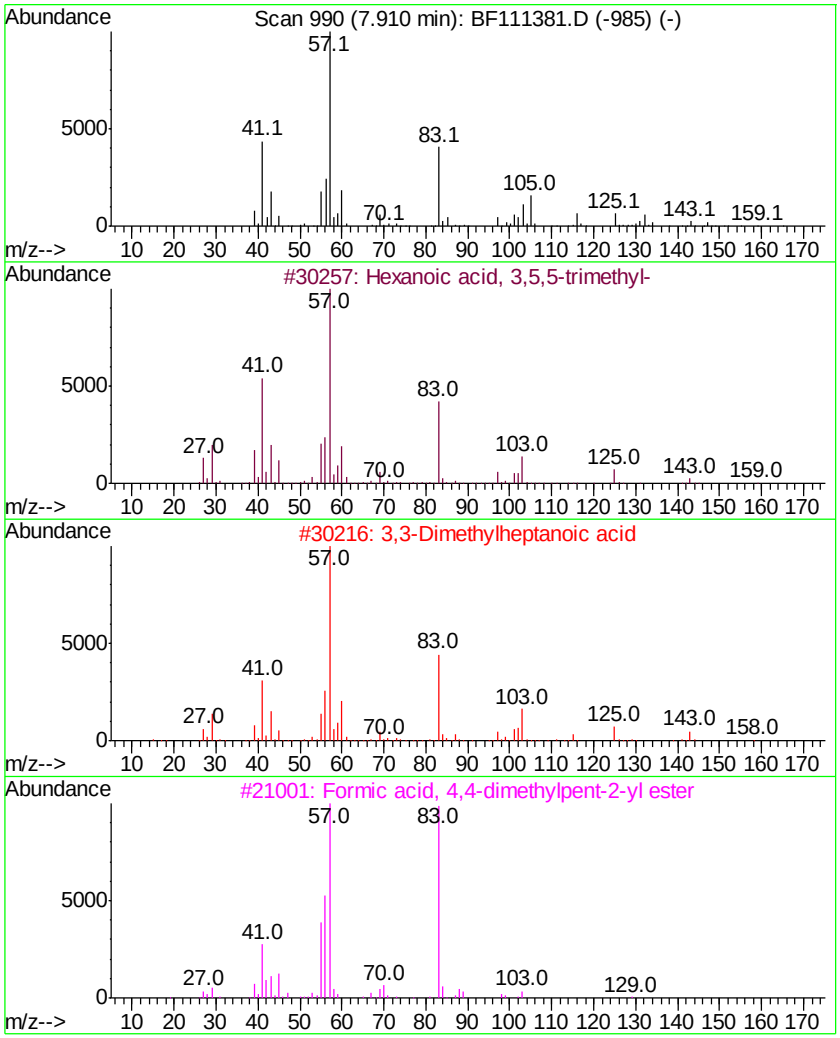
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

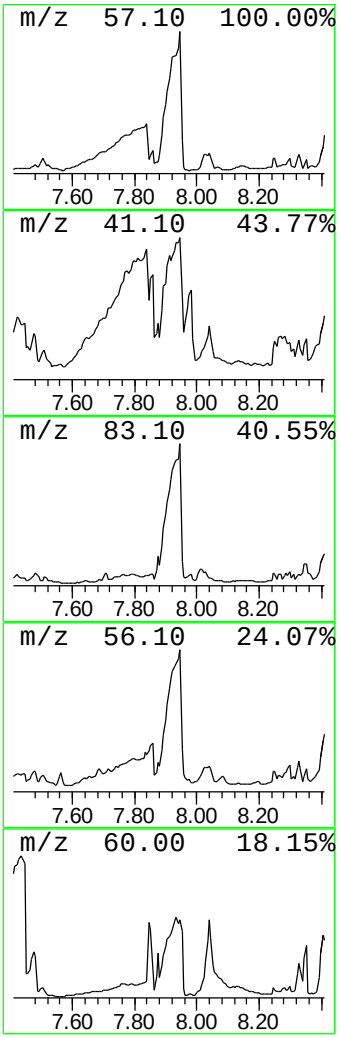
****

Peak Number 2 Hexanoic acid, 3,5,5-trimet... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.91	37.61 ng	4959030	Naphthalene-d8	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 3,5,5-trimethyl-	158	C9H18O2	003302-10-1	80
2	3,3-Dimethylheptanoic acid	158	C9H18O2	067061-30-7	38
3	Formic acid, 4,4-dimethylpent-2-...	144	C8H16O2	1000368-69-9	37
4	Hexanal, 3,5,5-trimethyl-	142	C9H18O	005435-64-3	32
5	4,4-Dimethyl-2-pentanol, chlorod...	228	C9H15ClF2O2	1000376-27-0	32





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111381.D
Acq On : 13 Dec 2018 20:31
Operator : JU/SJ
Sample : J6305-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW001-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

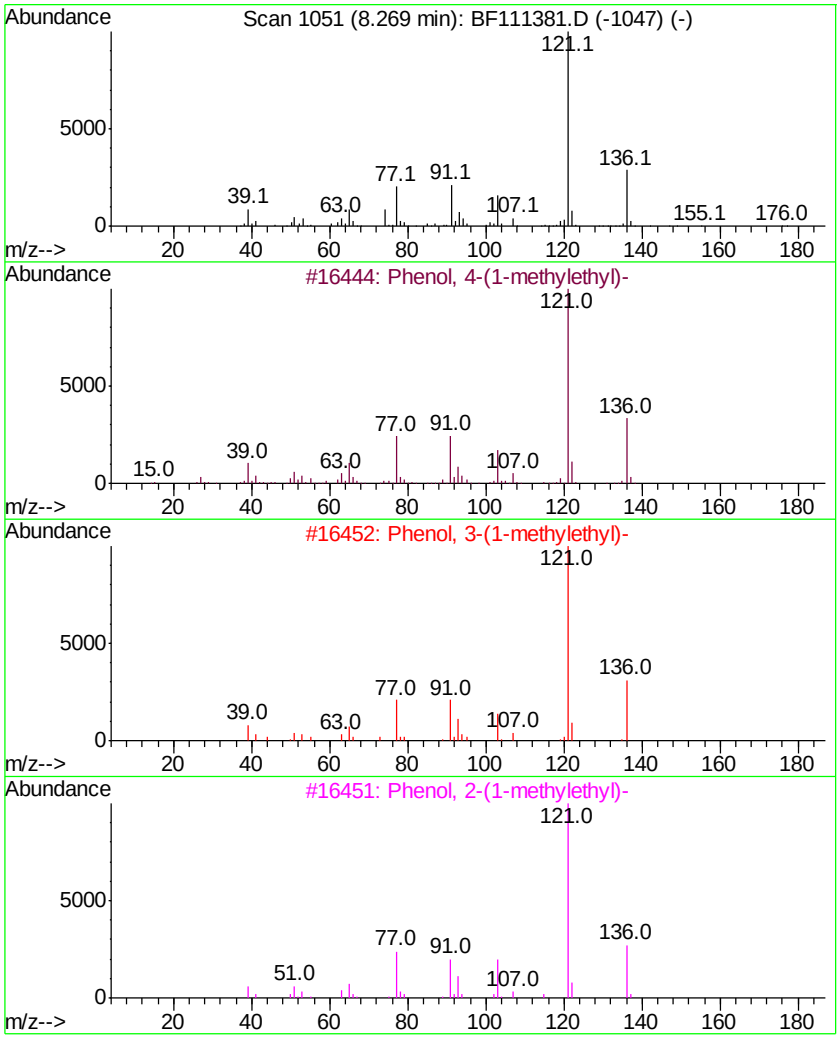
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

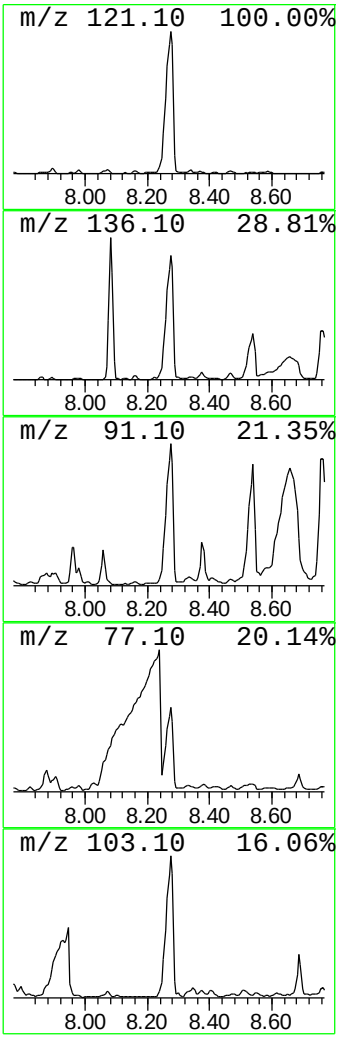
****

Peak Number 3 Phenol, 4-(1-methylethyl)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.27	127.20 ng	16769800	Naphthalene-d8	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1-methylethyl)-	136	C9H12O	000099-89-8	96
2	Phenol, 3-(1-methylethyl)-	136	C9H12O	000618-45-1	94
3	Phenol, 2-(1-methylethyl)-	136	C9H12O	000088-69-7	91
4	Phenol, 2-ethyl-5-methyl-	136	C9H12O	001687-61-2	86
5	Phenol, 2-ethyl-6-methyl-	136	C9H12O	001687-64-5	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111381.D
Acq On : 13 Dec 2018 20:31
Operator : JU/SJ
Sample : J6305-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW001-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

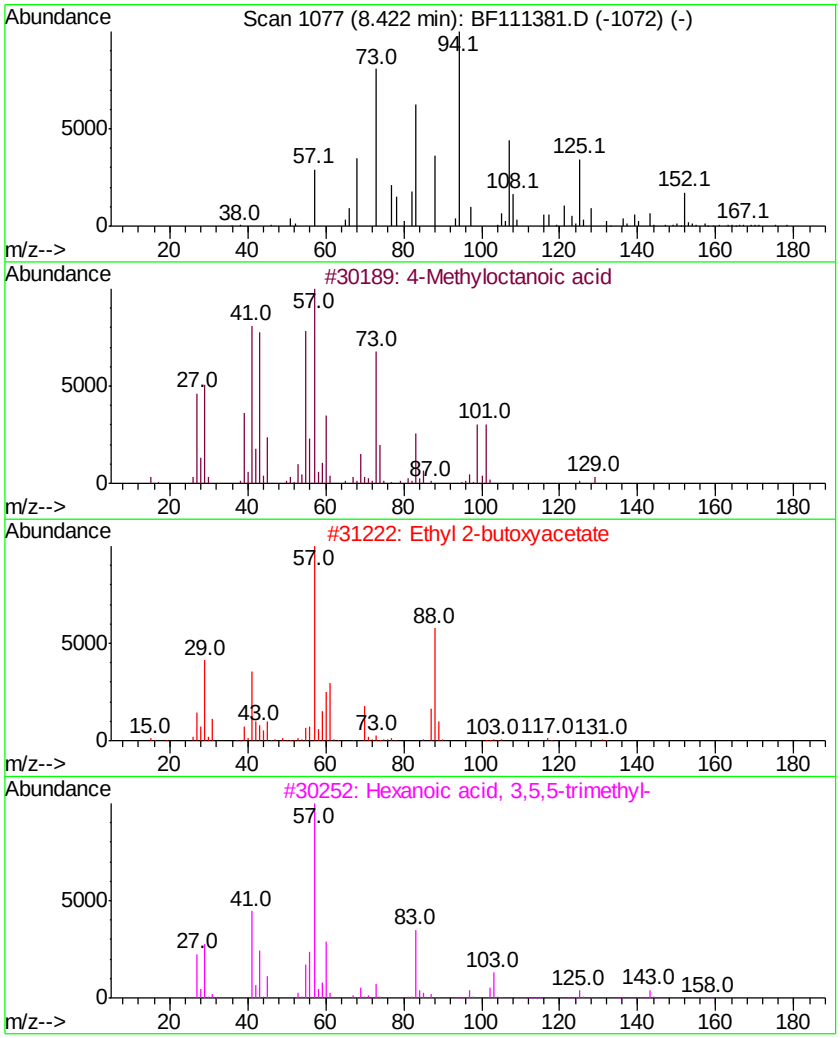
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

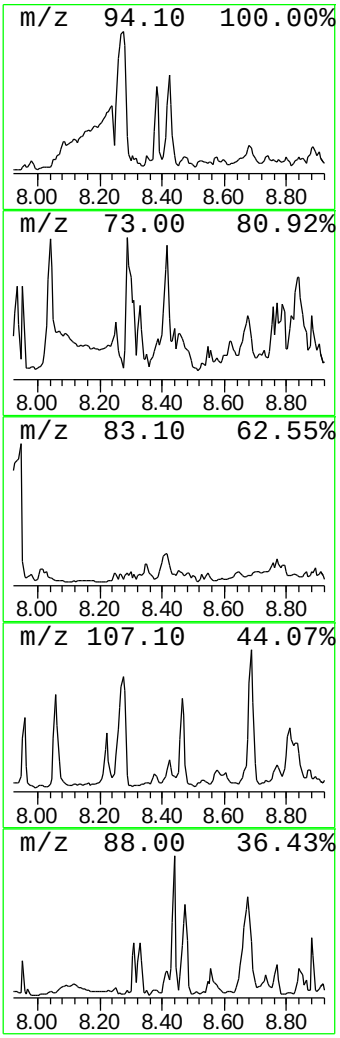
****

Peak Number 4 unknown8.42 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.42	26.62 ng	3509800	Naphthalene-d8	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methyloctanoic acid	158	C9H18O2	054947-74-9	47
2	Ethyl 2-butoxyacetate	160	C8H16O3	1000366-89-3	25
3	Hexanoic acid, 3,5,5-trimethyl-	158	C9H18O2	003302-10-1	25
4	Sulfurous acid, bis(1-methylprop...	194	C8H18O3S	024769-51-5	16
5	Heptane, 3-bromo-	178	C7H15Br	001974-05-6	14





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111381.D
Acq On : 13 Dec 2018 20:31
Operator : JU/SJ
Sample : J6305-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW001-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

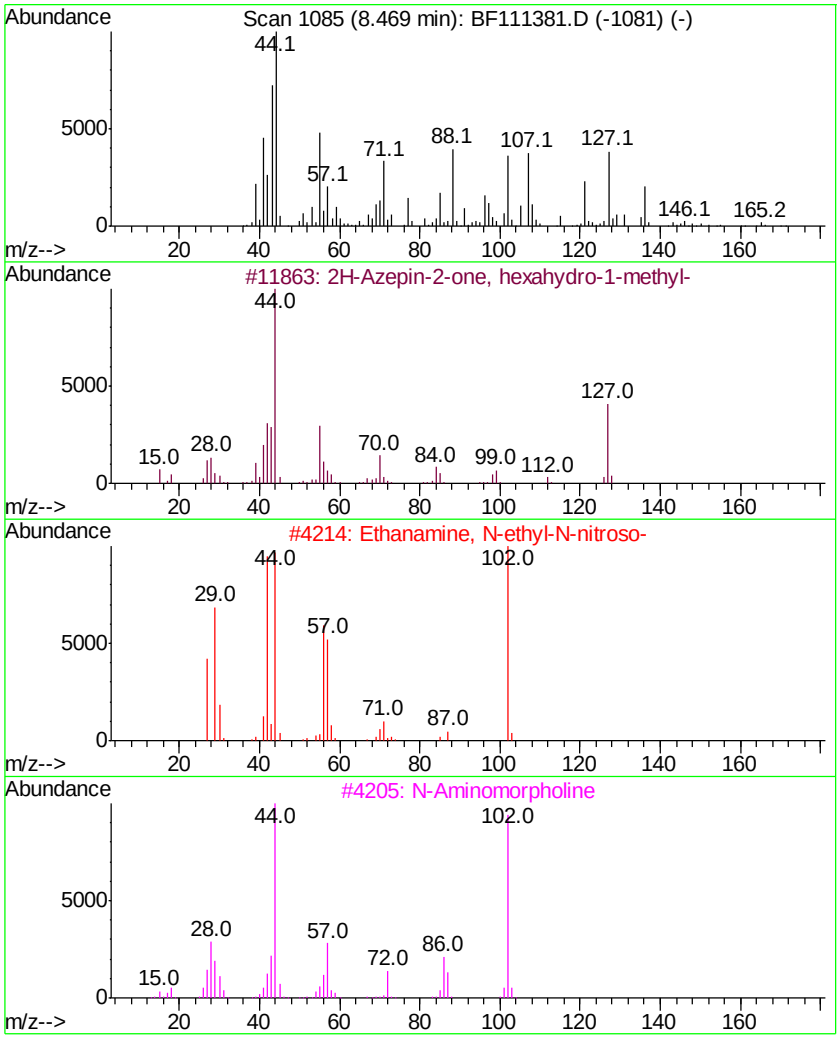
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

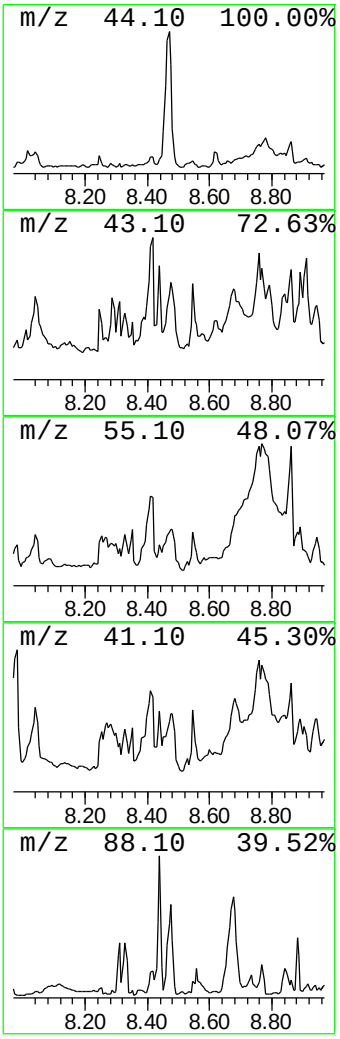
****

Peak Number 5 unknown8.47 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.47	26.67 ng	3515740	Naphthalene-d8	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Azepin-2-one, hexahydro-1-met...	127	C7H13NO	002556-73-2	30
2	Ethanamine, N-ethyl-N-nitroso-	102	C4H10N2O	000055-18-5	27
3	N-Aminomorpholine	102	C4H10N2O	004319-49-7	27
4	2-Propenamide	71	C3H5NO	000079-06-1	22
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	14





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Acq On : 13 Dec 2018 20:31
Operator : JU/SJ
Sample : J6305-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW001-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

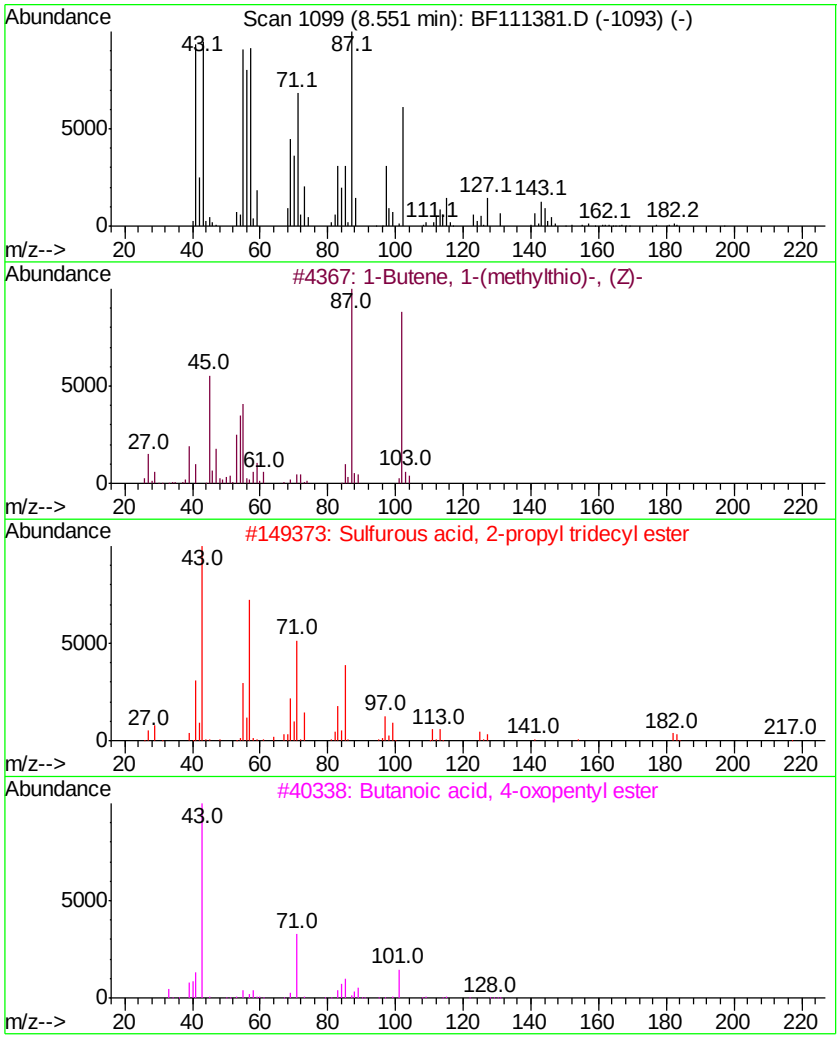
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

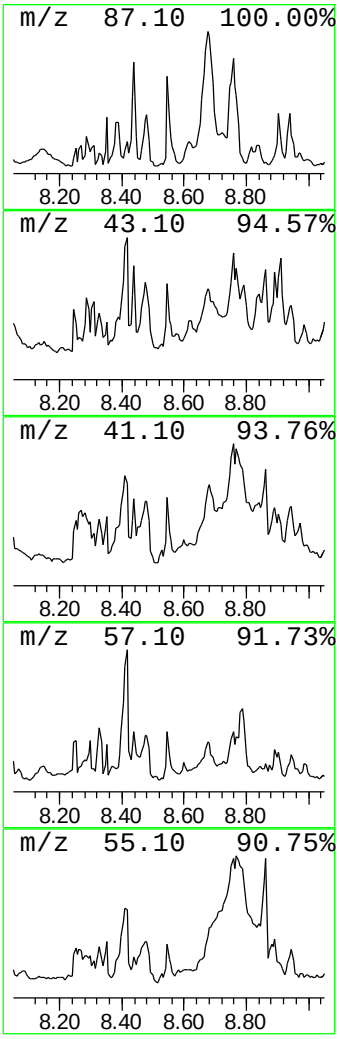
****

Peak Number 6 unknown8.55 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.55	35.96 ng	4740820	Naphthalene-d8	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene, 1-(methylthio)-, (Z)-	102	C5H10S	017414-15-2	22
2	Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	14
3	Butanoic acid, 4-oxopentyl ester	172	C9H16O3	058371-97-4	10
4	2,3,4-Trimethyl-5-hexen-3-ol	142	C9H18O	028638-29-1	10
5	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	10





Library Search Compound Report

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Operator : JU/SJ
Sample : J6305-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW001-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

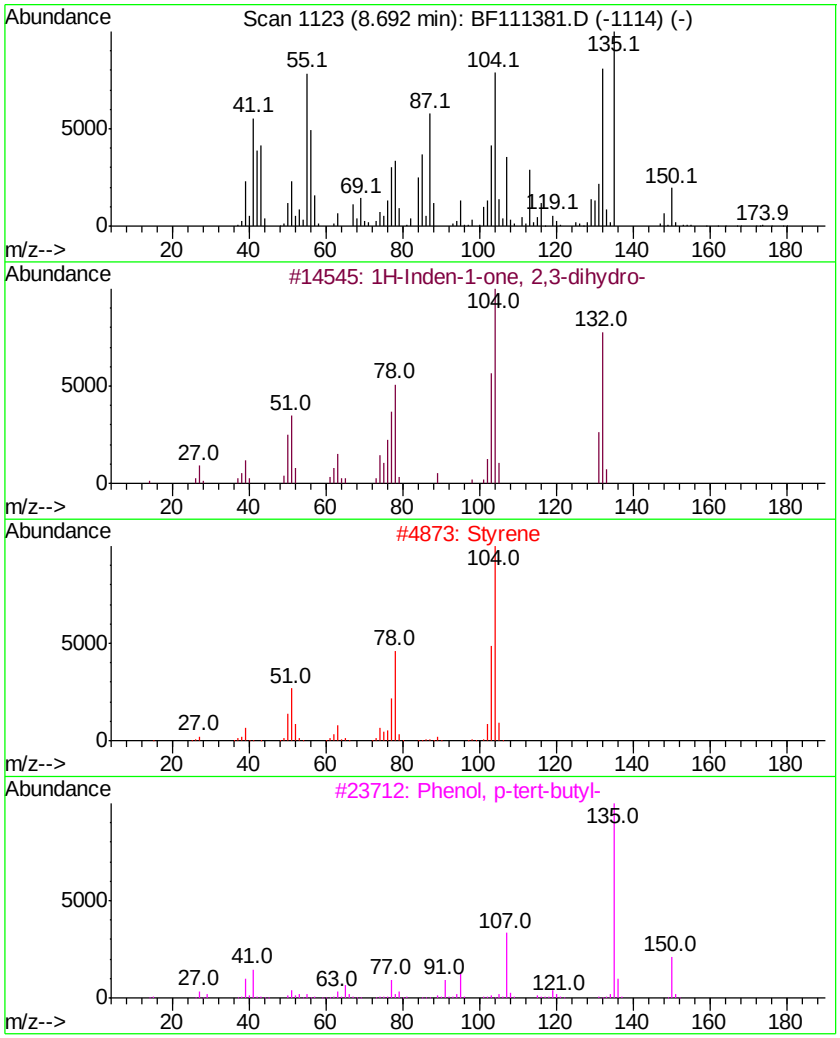
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

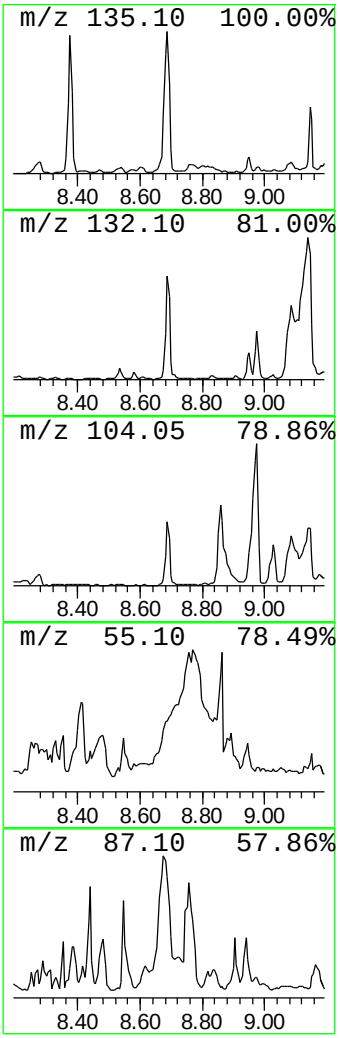
****

Peak Number 7 1H-Inden-1-one, 2,3-dihydro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.69	57.24 ng	7547070	Naphthalene-d8	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	55
2	Styrene	104	C8H8	000100-42-5	53
3	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	38
4	1H-Indene-1,2-diol, 2,3-dihydro-...	150	C9H10O2	004647-43-2	38
5	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	25





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Sample : J6305-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW001-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

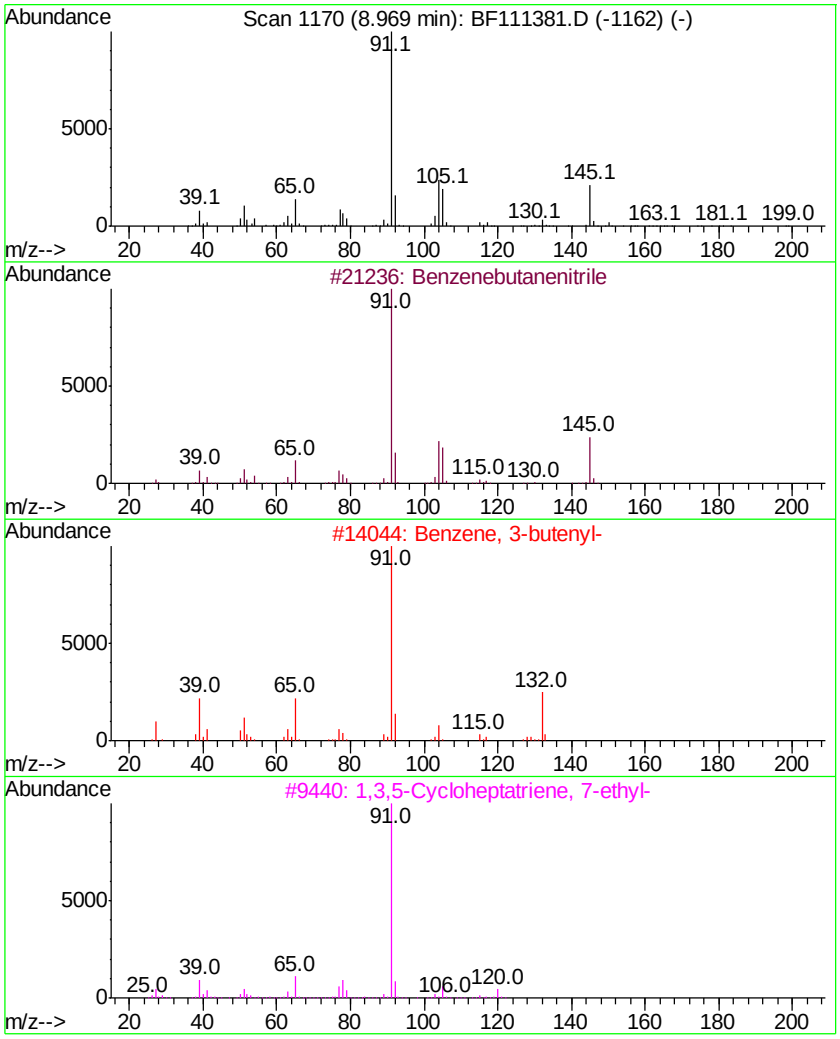
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

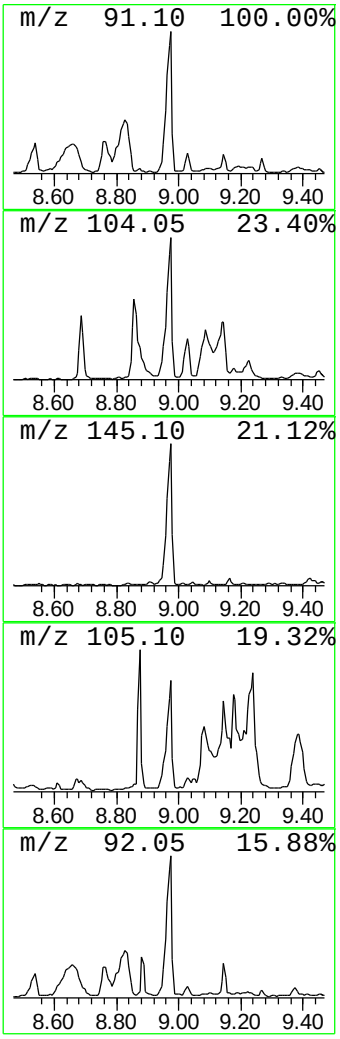
****

Peak Number 8 Benzenebutanenitrile Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.97	105.61 ng	11536400	Acenaphthene-d10	9.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenebutanenitrile	145	C10H11N	002046-18-6	95
2	Benzene, 3-butenyl-	132	C10H12	000768-56-9	43
3	1,3,5-Cycloheptatriene, 7-ethyl-	120	C9H12	017634-51-4	35
4	1H-1,2,4-Triazole, 1-phenyl-	145	C8H7N3	1000337-09-5	35
5	Hydrocinnamic acid	150	C9H10O2	000501-52-0	30





Library Search Compound Report

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Operator : JU/SJ
Sample : J6305-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW001-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

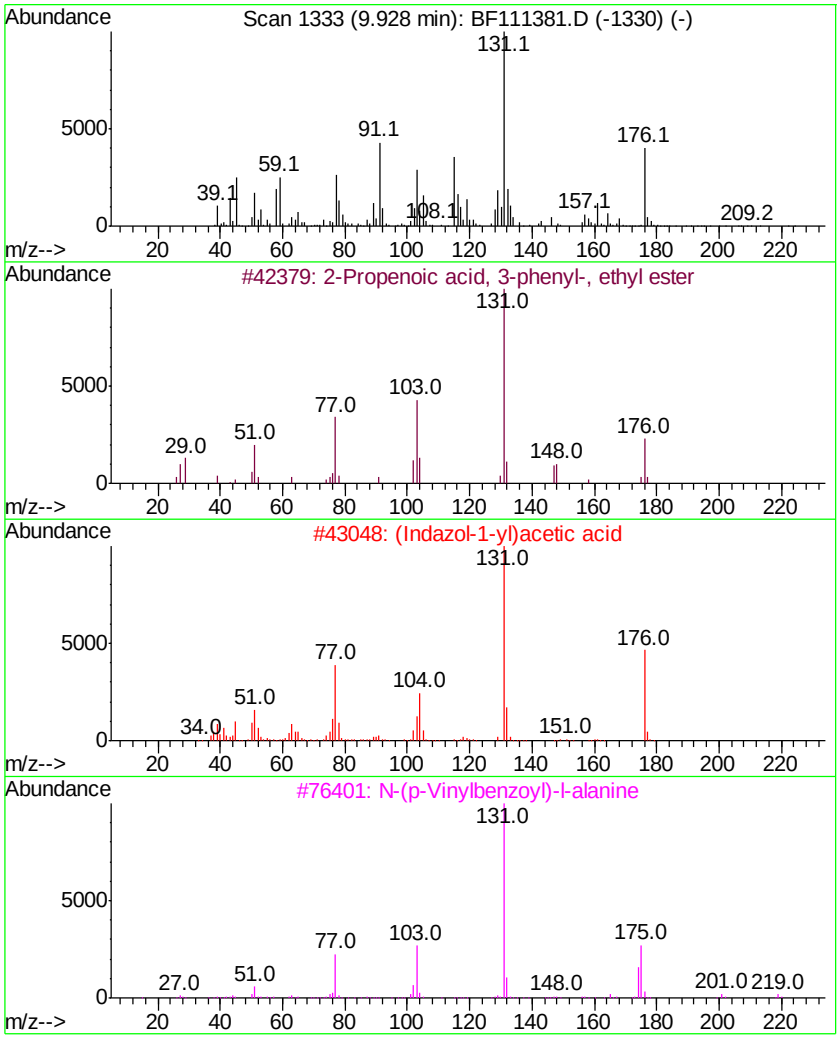
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

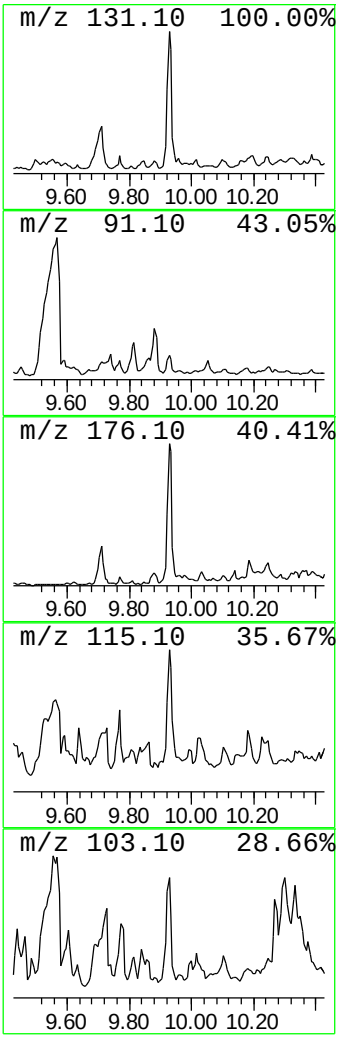
****

Peak Number 9 2-Propenoic acid, 3-phenyl-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.93	23.43 ng	2559070	Acenaphthene-d10	9.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenoic acid, 3-phenyl-, eth...	176	C11H12O2	000103-36-6	53
2	(Indazol-1-yl)acetic acid	176	C9H8N2O2	1000315-94-2	52
3	N-(p-Vinylbenzoyl)-l-alanine	219	C12H13NO3	139184-60-4	38
4	1-Naphthalenecarboxylic acid, 5,...	176	C11H12O2	004242-18-6	38
5	Vinyl trans-cinnamate	174	C11H10O2	017719-70-9	38





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Sample : J6305-01
Misc :
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Instrument : BNA_F
ClientSampleId : P001-SW001-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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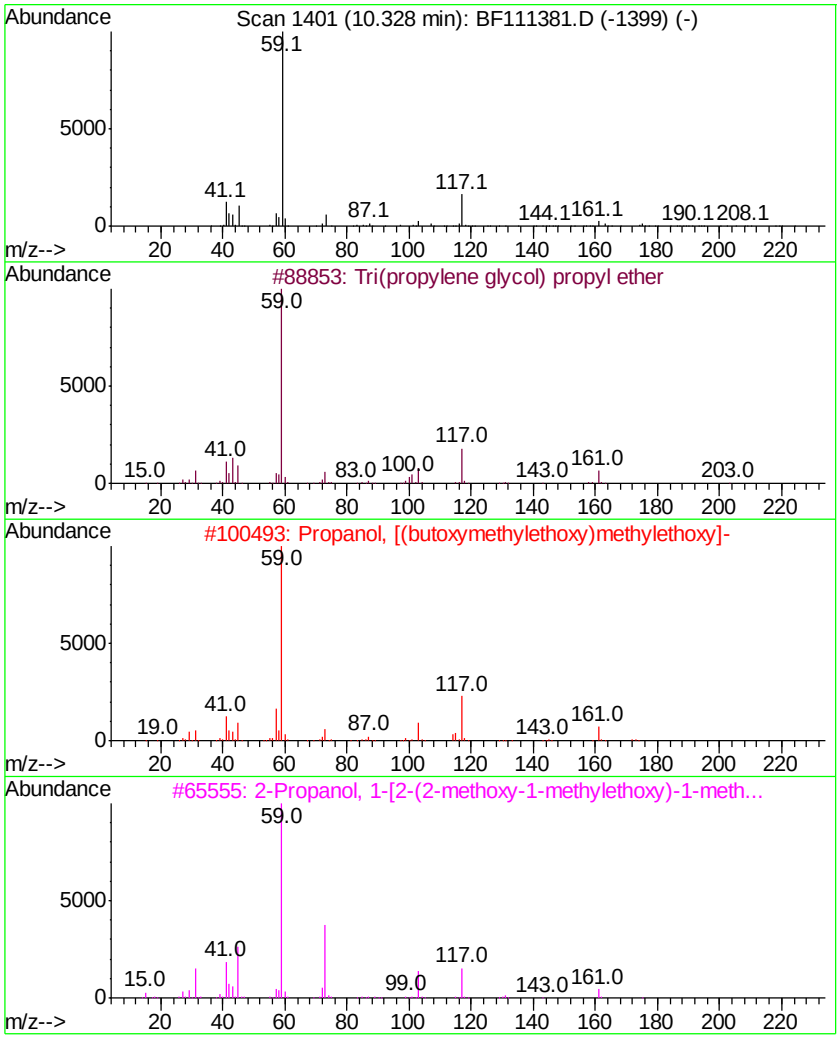
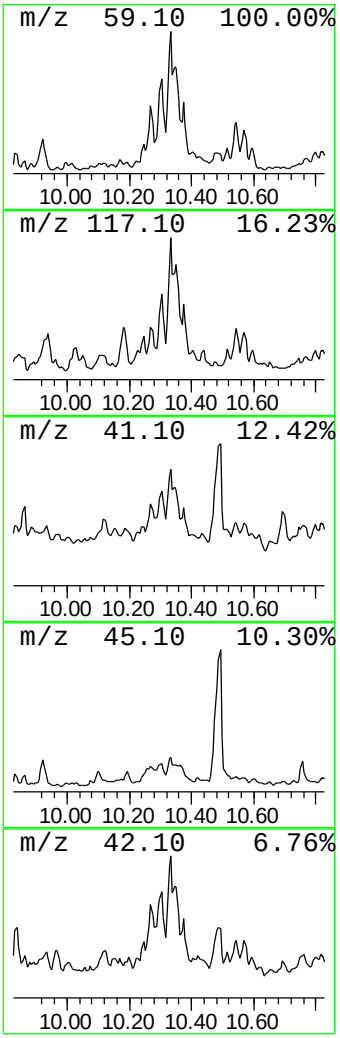
Peak Number 10 Tri(propylene glycol) propy... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.33	25.92 ng	2831300	Acenaphthene-d10	9.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tri(propylene glycol) propyl ether	234	C12H26O4	096077-04-2	78
2	Propanol, [(butoxymethylethoxy)m...	248	C13H28O4	055934-93-5	64
3	2-Propanol, 1-[2-(2-methoxy-1-me...	206	C10H22O4	020324-33-8	50
4	2-Propanol, 1,1'-[(1-methyl-1,2-...	192	C9H20O4	001638-16-0	50
5	1-(1-Methoxypropan-2-yloxy)propa...	260	C14H28O4	1000367-13-1	45





Library Search Compound Report

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Acq On : 13 Dec 2018 20:31
Operator : JU/SJ
Sample : J6305-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW001-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

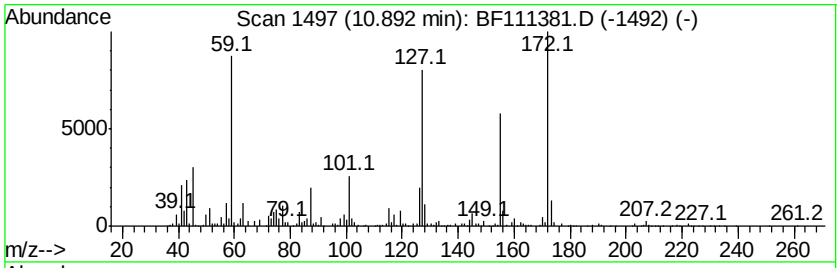
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

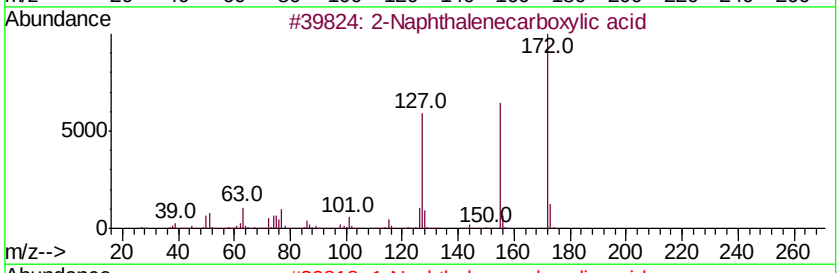
****

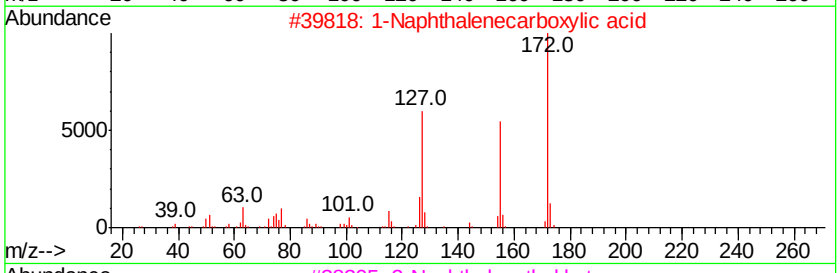
Peak Number 12 2-Naphthalenecarboxylic acid Concentration Rank 10

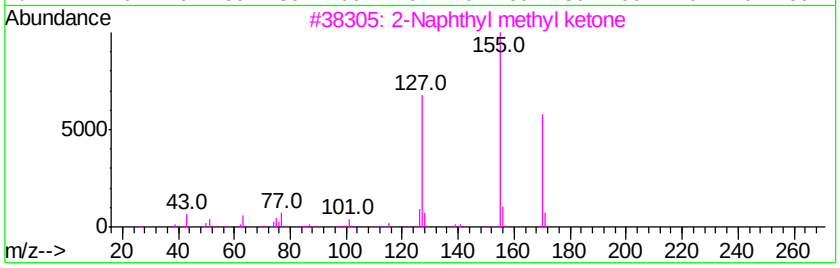
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	34.73 ng	3806450	Phenanthrene-d10	11.32

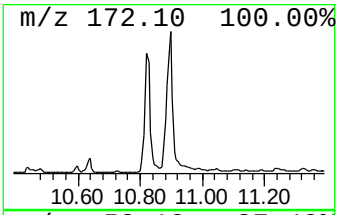
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarboxylic acid	172	C11H8O2	000093-09-4	86
2	1-Naphthalenecarboxylic acid	172	C11H8O2	000086-55-5	70
3	2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	42
4	Naphthalene, 2-nitro-	173	C10H7NO2	000581-89-5	35
5	.alpha.-Naphthoylhydrazine	186	C11H10N2O	043038-45-5	30

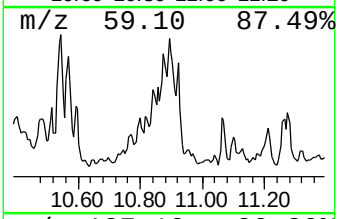


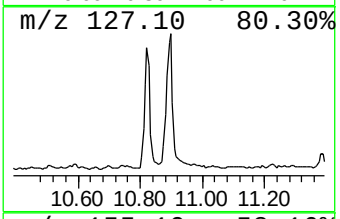


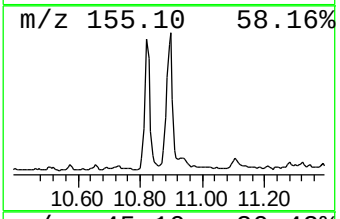


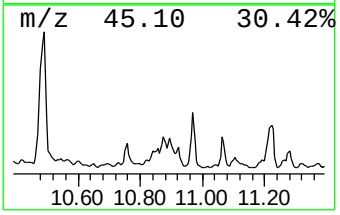












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Acq On : 13 Dec 2018 20:31
Operator : JU/SJ
Sample : J6305-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW001-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

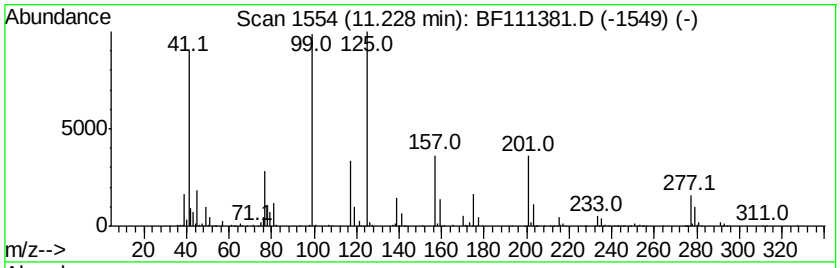
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

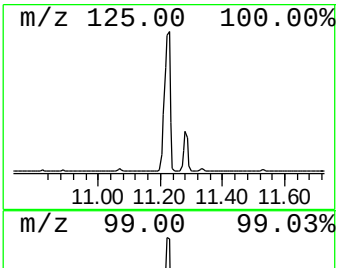
****

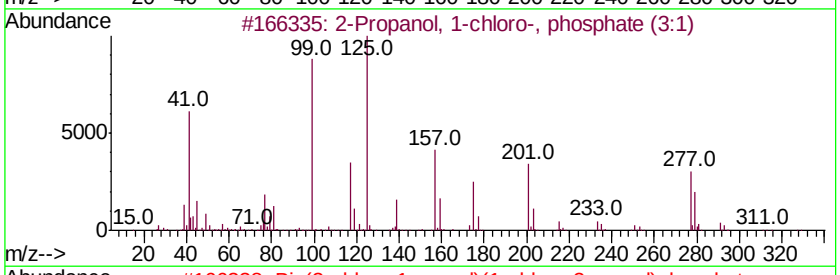
Peak Number 13 2-Propanol, 1-chloro-, phos... Concentration Rank 3

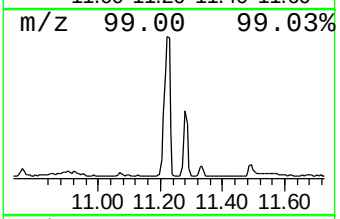
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	69.78 ng	7648940	Phenanthrene-d10	11.32

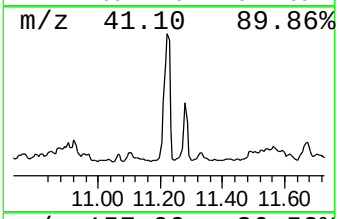
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	94
2	Bis(3-chloro-1-propyl)(1-chloro-...	326	C9H18Cl3O4P	137888-35-8	37
3	Tris(3-chloropropyl) phosphate	326	C9H18Cl3O4P	001067-98-7	37
4	Triisopropylphosphate	224	C9H21O4P	000513-02-0	28
5	Bis(1-chloro-2-propyl)(3-chloro-...	326	C9H18Cl3O4P	137909-40-1	25

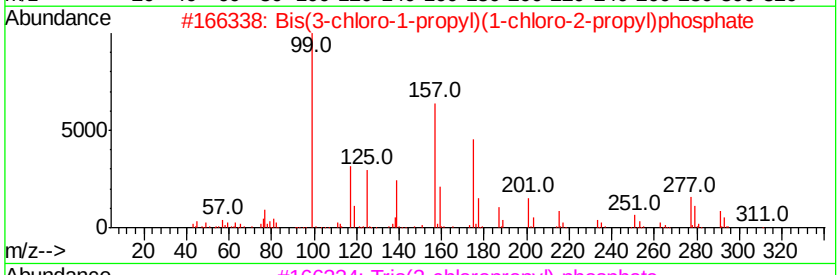


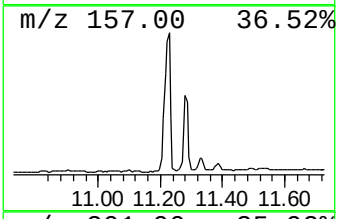


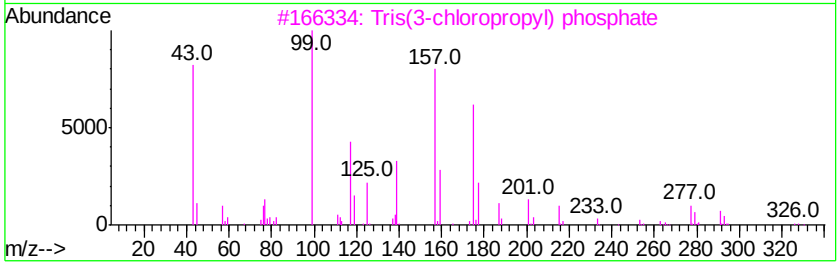


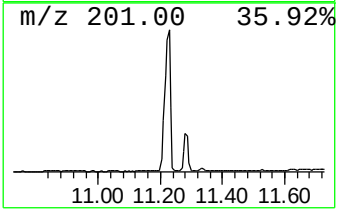












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Operator : JU/SJ
Sample : J6305-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW001-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

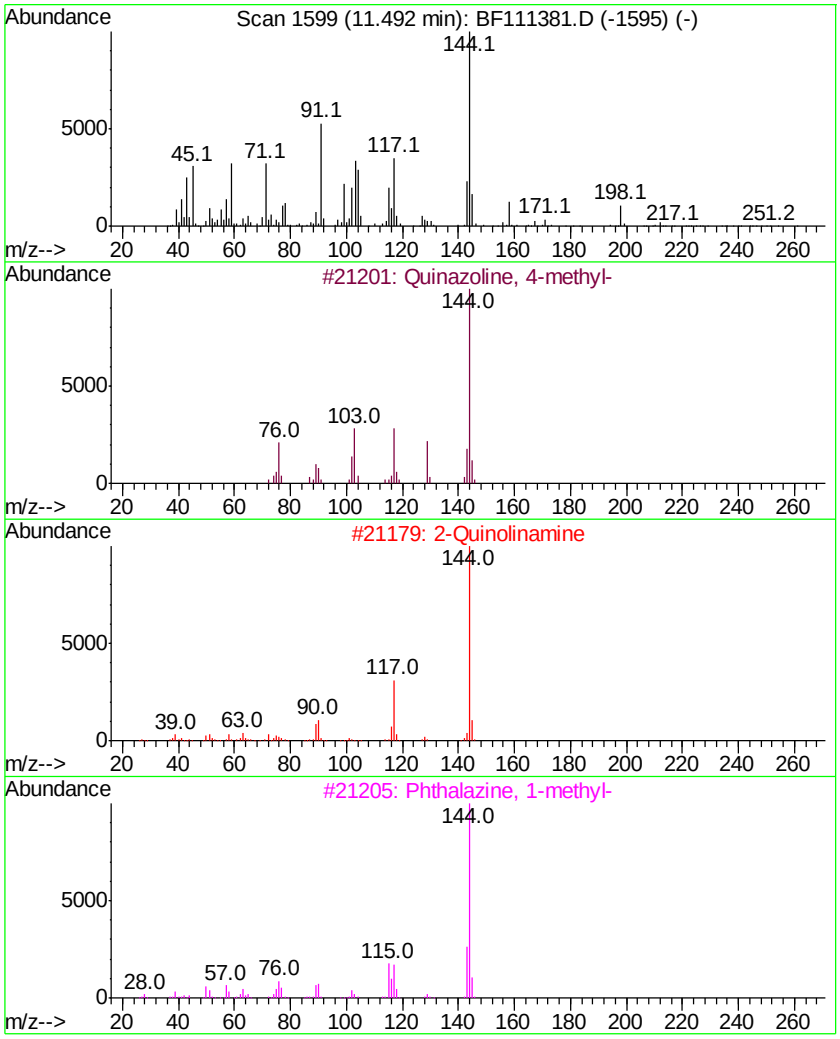
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

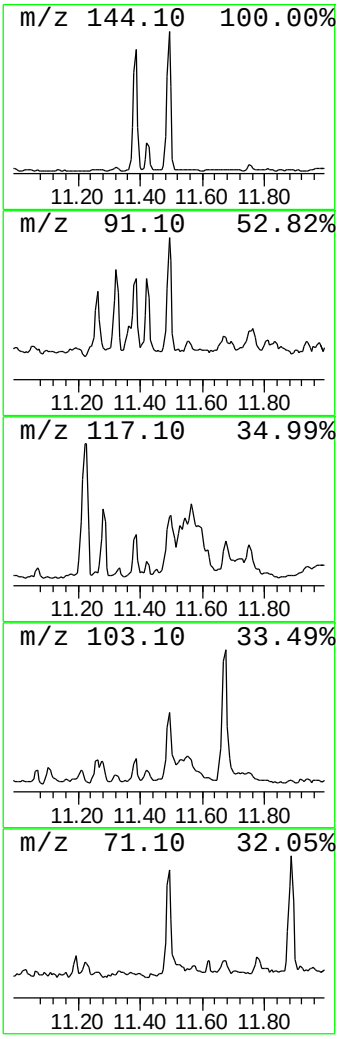
****

Peak Number 14 Quinazoline, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.49	32.49 ng	3561690	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinazoline, 4-methyl-	144	C9H8N2	000700-46-9	53
2	2-Quinolinamine	144	C9H8N2	000580-22-3	42
3	Phthalazine, 1-methyl-	144	C9H8N2	005004-46-6	41
4	2,3,1-Benzodiazaborine, 1,2-dihy...	144	C8H9BN2	004885-27-2	38
5	6-Methyl-2,4-dioxo-1,2,3,4-tetra...	362	C16H18N4O4S	1000296-90-3	35





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Acq On : 13 Dec 2018 20:31
Operator : JU/SJ
Sample : J6305-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW001-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

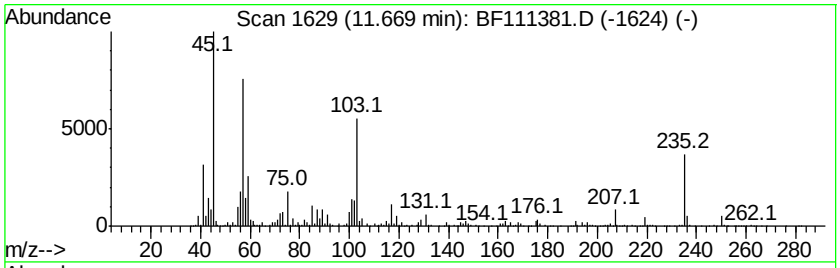
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

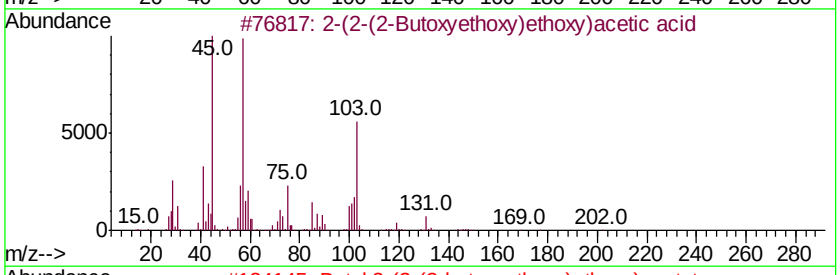
****

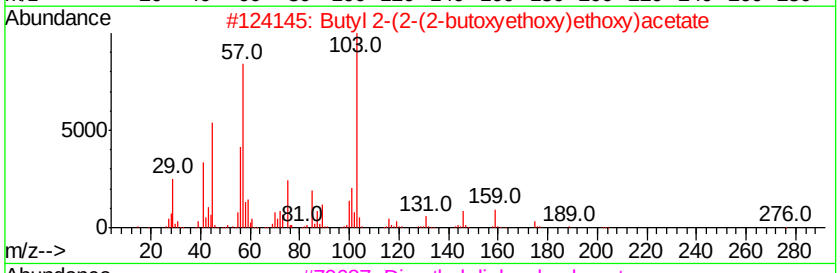
Peak Number 15 2-(2-(2-Butoxyethoxy)ethoxy... Concentration Rank 8

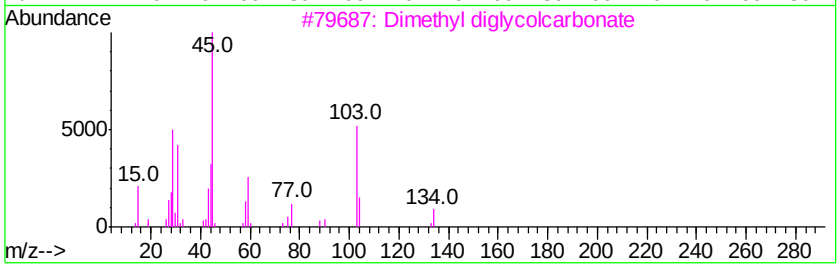
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	36.72 ng	4024360	Phenanthrene-d10	11.32

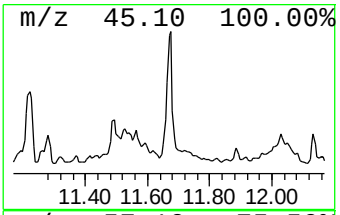
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(2-(2-Butoxyethoxy)ethoxy)acet...	220	C10H20O5	1000366-77-1	59
2	Butyl 2-(2-(2-butoxyethoxy)ethox...	276	C14H28O5	1000366-77-4	56
3	Dimethyl diglycolcarbonate	222	C8H14O7	087292-23-7	50
4	Di-sec-butyl ether	130	C8H18O	006863-58-7	38
5	Dibutyl 3,6,9,12,15-pentaoxahept...	422	C20H38O9	1000366-80-1	37

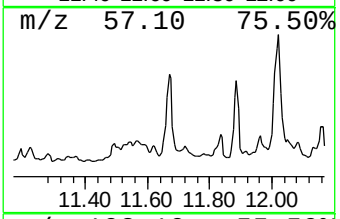


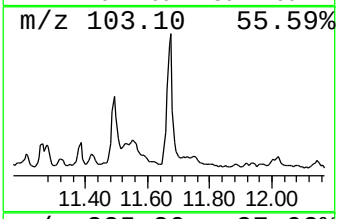


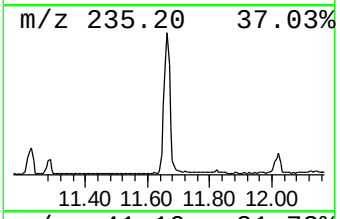


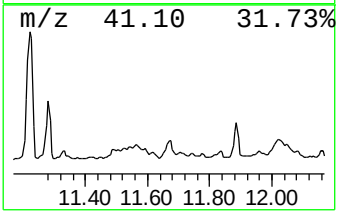












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111381.D
Acq On : 13 Dec 2018 20:31
Operator : JU/SJ
Sample : J6305-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW001-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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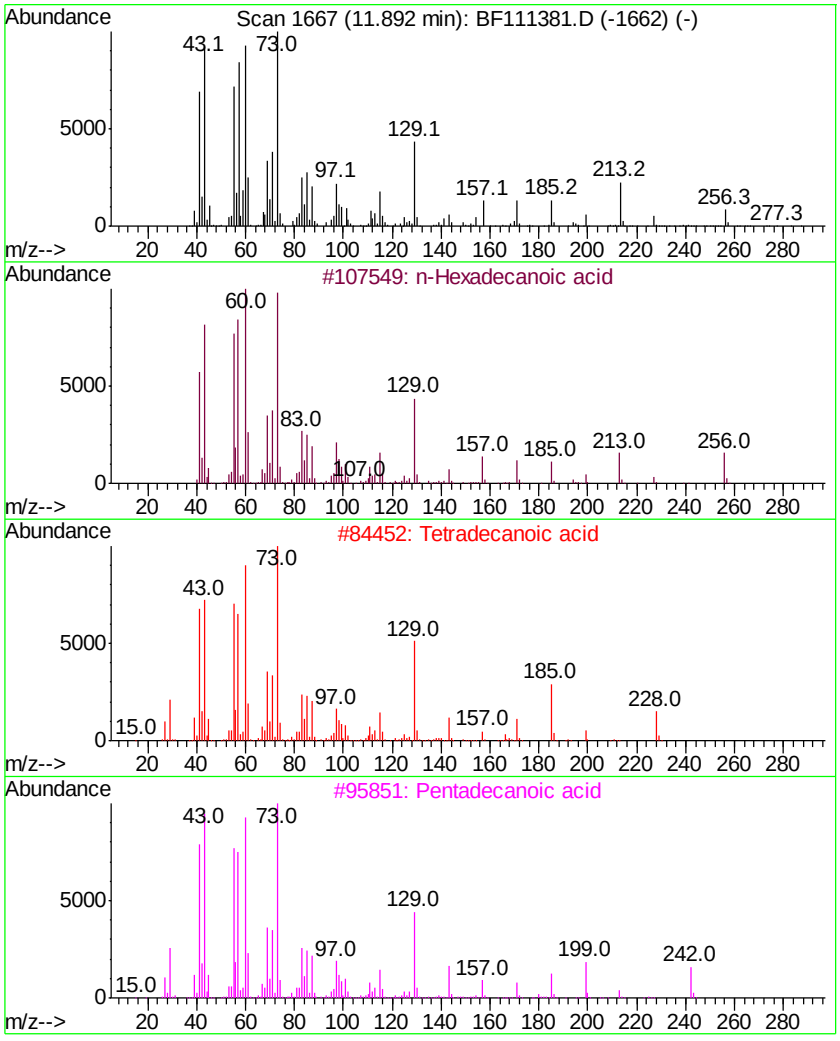
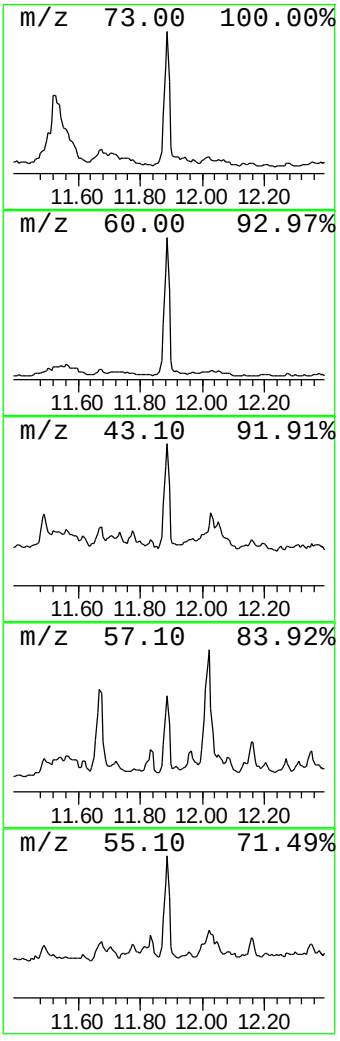
Peak Number 16 n-Hexadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	32.65 ng	3579020	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	95
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4	Tridecanoic acid	214	C13H26O2	000638-53-9	83
5	n-Decanoic acid	172	C10H20O2	000334-48-5	76





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Acq On : 13 Dec 2018 20:31
Operator : JU/SJ
Sample : J6305-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW001-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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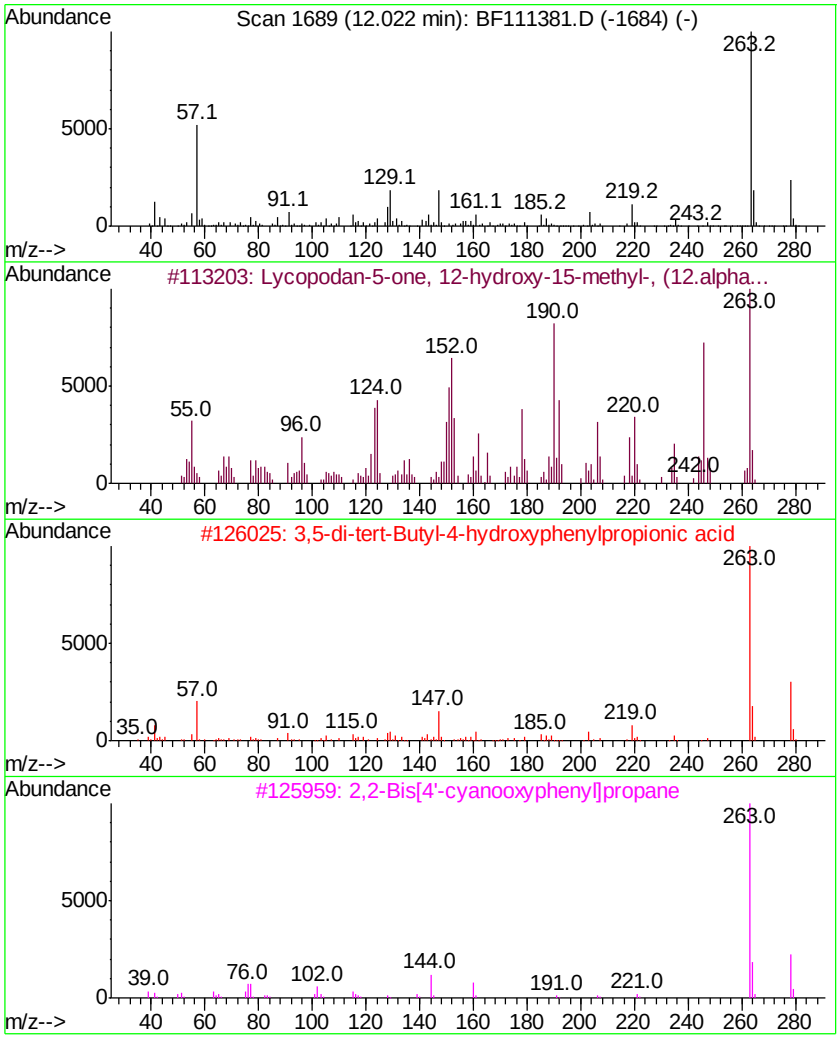
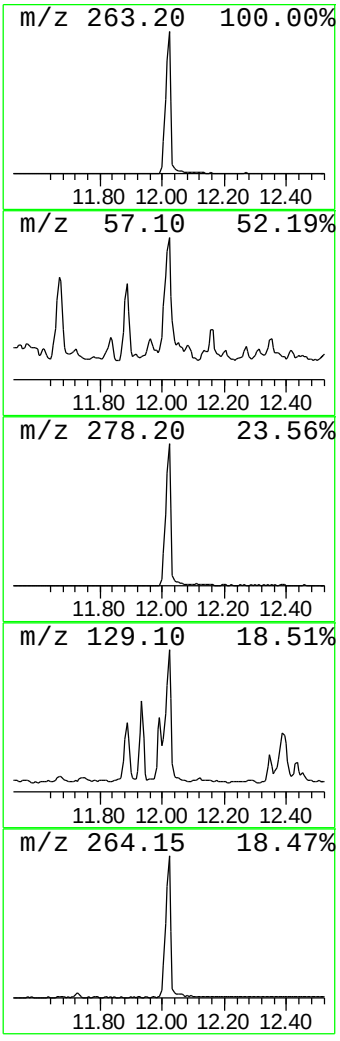
Peak Number 17 Lycopodan-5-one, 12-hydroxy... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	43.43 ng	4760660	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Lycopodan-5-one, 12-hydroxy-15-m...	263	C16H25NO2	021061-90-5	95
2	3,5-di-tert-Butyl-4-hydroxyphenyl...	278	C17H26O3	020170-32-5	83
3	2,2-Bis[4'-cyanooxyphenyl]propane	278	C17H14N2O2	1000322-13-3	70
4	Trimethyl(2,6 ditert.-butylpheno...	278	C17H30OSi	010416-73-6	50
5	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	47





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Acq On : 13 Dec 2018 20:31
Operator : JU/SJ
Sample : J6305-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW001-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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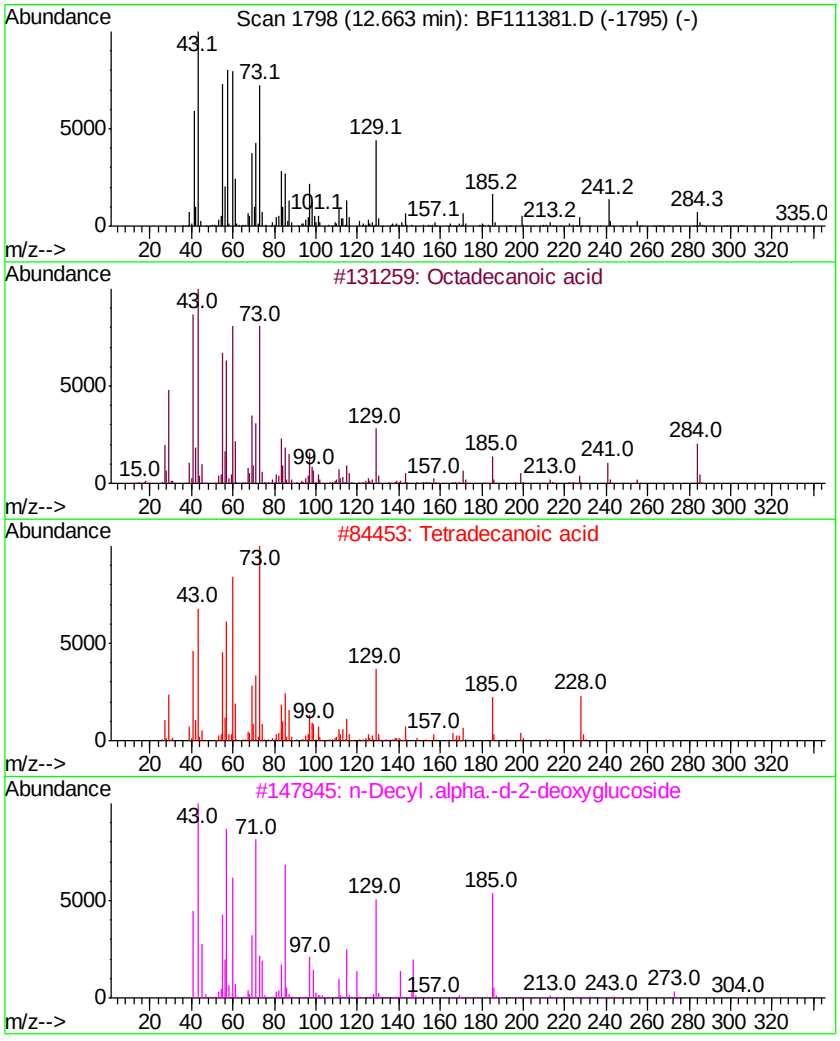
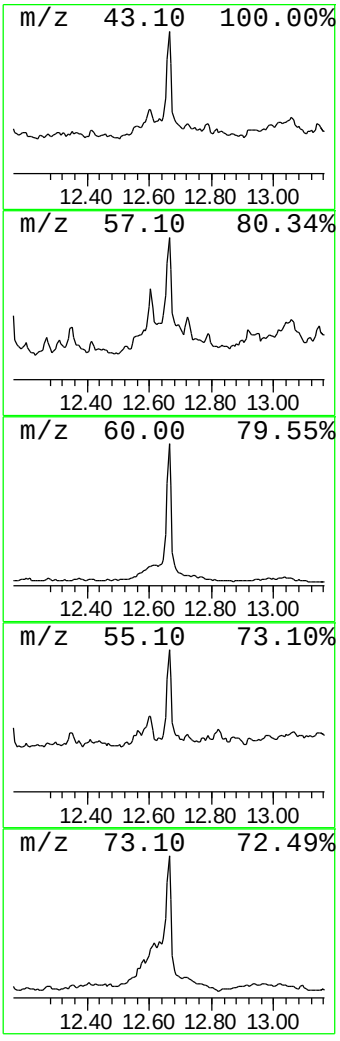
Peak Number 18 Octadecanoic acid Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	23.98 ng	4670000	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	95
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	49
3	n-Decyl .alpha.-d-2-deoxyglucoside	304	C16H32O5	1000211-42-8	46
4	11-Bromoundecanoic acid	264	C11H21BrO2	002834-05-1	30
5	Oxalic acid, allyl hexadecyl ester	354	C21H38O4	1000309-24-4	30





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Data File : BF111381.D
Acq On : 13 Dec 2018 20:31
Operator : JU/SJ
Sample : J6305-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW001-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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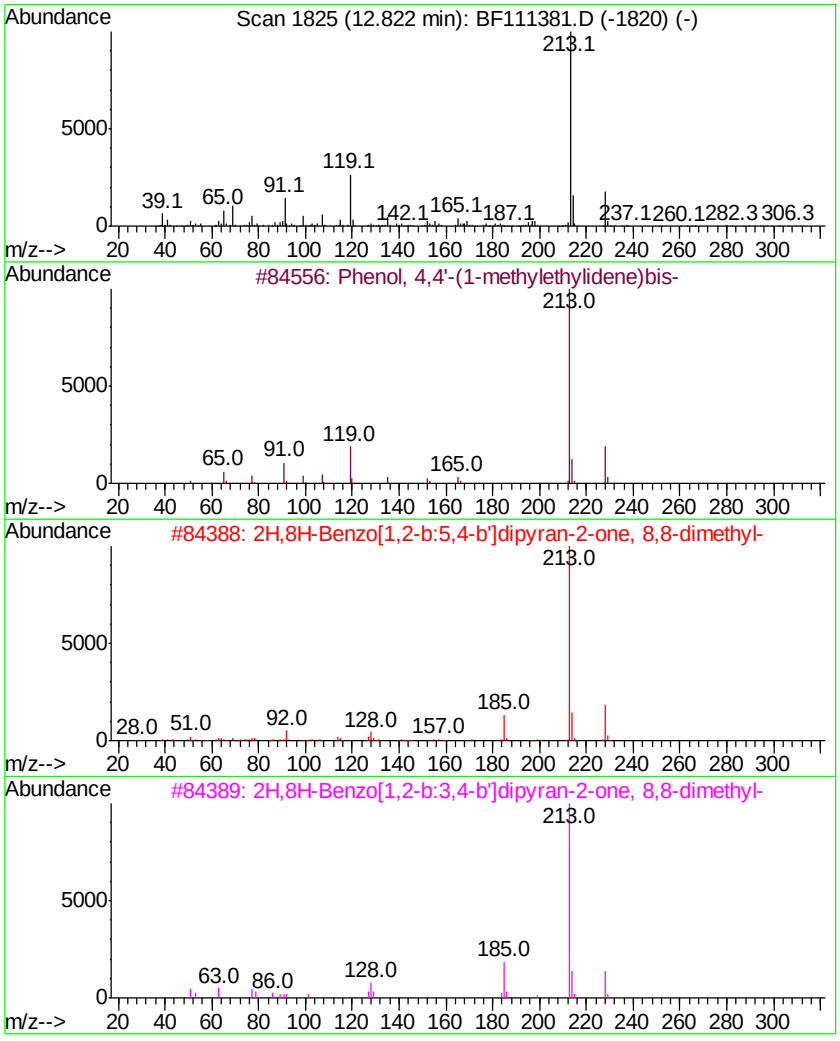
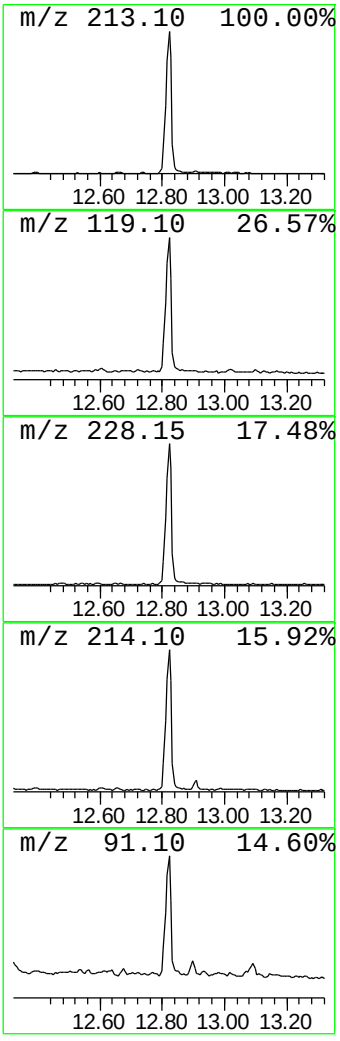
Peak Number 19 Phenol, 4,4'-(1-methylethyl... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	30.95 ng	6027380	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	96
2	2H,8H-Benzo[1,2-b:5,4-b']dipyran...	228	C14H12O3	000553-19-5	52
3	2H,8H-Benzo[1,2-b:3,4-b']dipyran...	228	C14H12O3	000523-59-1	50
4	Carbamic acid, [1,1'-biphenyl]-3...	213	C13H11NO2	055030-29-0	49
5	1,4-Naphthalenedione, 2-(1-buten...	228	C14H12O3	029366-43-6	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111381.D
Acq On : 13 Dec 2018 20:31
Operator : JU/SJ
Sample : J6305-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW001-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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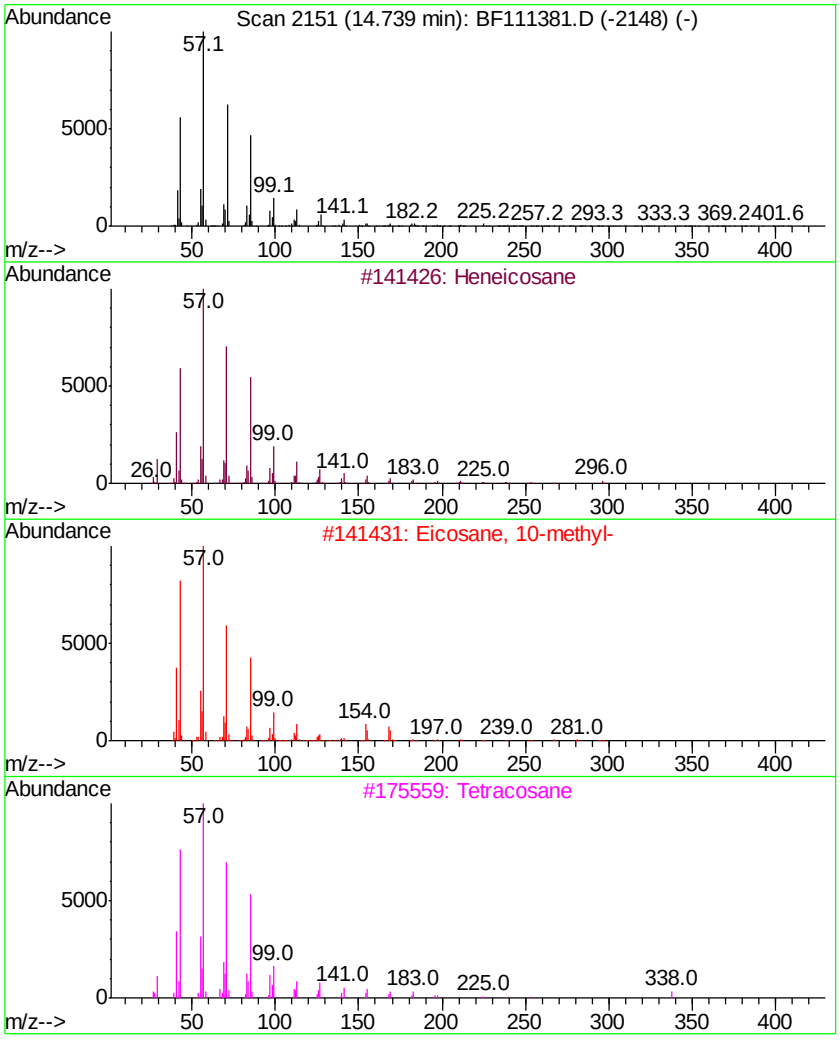
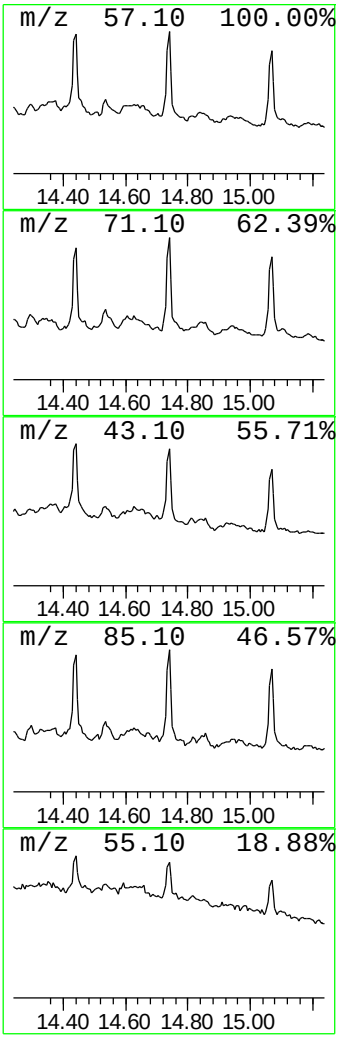
Peak Number 20 Heneicosane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	26.32 ng	1475910	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	90
2	Eicosane, 10-methyl-	296	C21H44	054833-23-7	87
3	Tetracosane	338	C24H50	000646-31-1	87
4	Octadecane	254	C18H38	000593-45-3	86
5	Eicosane	282	C20H42	000112-95-8	86





Tentatively Identified Compound (LSC) summary

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Data File : BF111381.D
Acq On : 13 Dec 2018 20:31
Operator : JU/SJ
Sample : J6305-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW001-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Hexanoic acid, 2-...	7.65	28.7	ng	3788260	2	8.08	2636870	20.0
Hexanoic acid, 3,...	7.91	37.6	ng	4959030	2	8.08	2636870	20.0
Phenol, 4-(1-meth...	8.27	127.2	ng	16769800	2	8.08	2636870	20.0
unknown8.42	8.42	26.6	ng	3509800	2	8.08	2636870	20.0
unknown8.47	8.47	26.7	ng	3515740	2	8.08	2636870	20.0
unknown8.55	8.55	36.0	ng	4740820	2	8.08	2636870	20.0
1H-Inden-1-one, 2...	8.69	57.2	ng	7547070	2	8.08	2636870	20.0
Benzenebutanenitrile	8.97	105.6	ng	11536400	3	9.84	2184800	20.0
2-Propenoic acid,...	9.93	23.4	ng	2559070	3	9.84	2184800	20.0
Tri(propylene gly...	10.33	25.9	ng	2831300	3	9.84	2184800	20.0
2-Naphthalenecarb...	10.89	34.7	ng	3806450	4	11.32	2192170	20.0
2-Propanol, 1-chl...	11.23	69.8	ng	7648940	4	11.32	2192170	20.0
Quinazoline, 4-me...	11.49	32.5	ng	3561690	4	11.32	2192170	20.0
2-(2-(2-Butoxyeth...	11.67	36.7	ng	4024360	4	11.32	2192170	20.0
n-Hexadecanoic acid	11.89	32.6	ng	3579020	4	11.32	2192170	20.0
Lycopodan-5-one, ...	12.02	43.4	ng	4760660	4	11.32	2192170	20.0
Octadecanoic acid	12.66	24.0	ng	4670000	5	13.96	3895060	20.0
Phenol, 4,4'-(1-m...	12.82	30.9	ng	6027380	5	13.96	3895060	20.0
Heneicosane	14.74	26.3	ng	1475910	6	15.40	1121730	20.0